

IFPS Training Aid

Edit the Weather Grid using the Edit Area and Query Dialog

Introduction:

Occasionally, you would like to make some minor edits to the Wx grids without applying a Smart Tool which may not be designed to do what you would like it to do. One of the little known or used baseline features in GFE is the **Edit Area and Query Dialog**.

The Edit Area and Query Dialog allows you to load previously defined edit areas or construct query expressions to create edit areas based on the conditions specified in the expression. The query is a mathematical expression describing one or more weather conditions (Td > 68, R-, SW-, Sct TRW, etc).


When a query is applied to a grid, the contents are searched for matching conditions in the query expression. All matching grid points are assigned to an edit area.

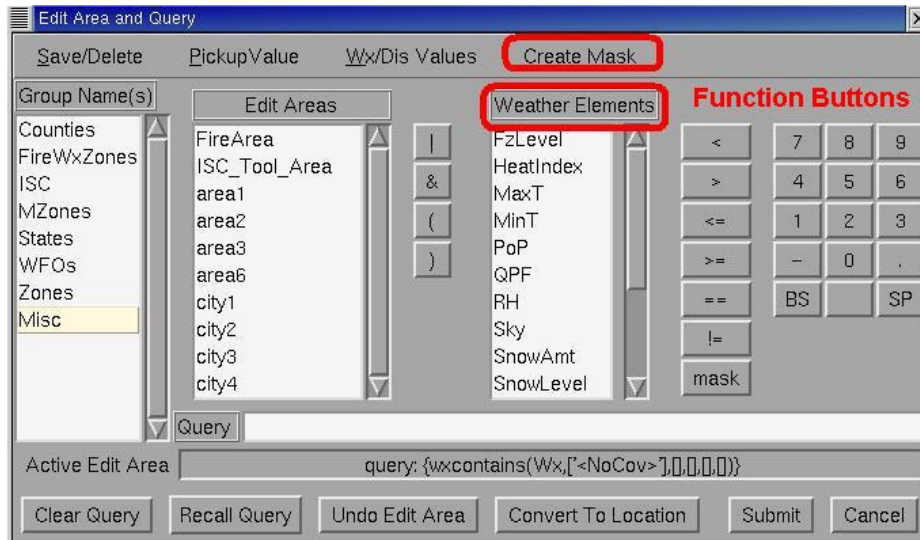
When a query is applied against a grid, the defined conditions (Chc RW-) are searched. The result is a new edit area that consists of all the areas that match the query's conditions.

Objective:

Apply the functionality of the Edit Area and Query Dialog to make minor editing changes to the Wx grids.

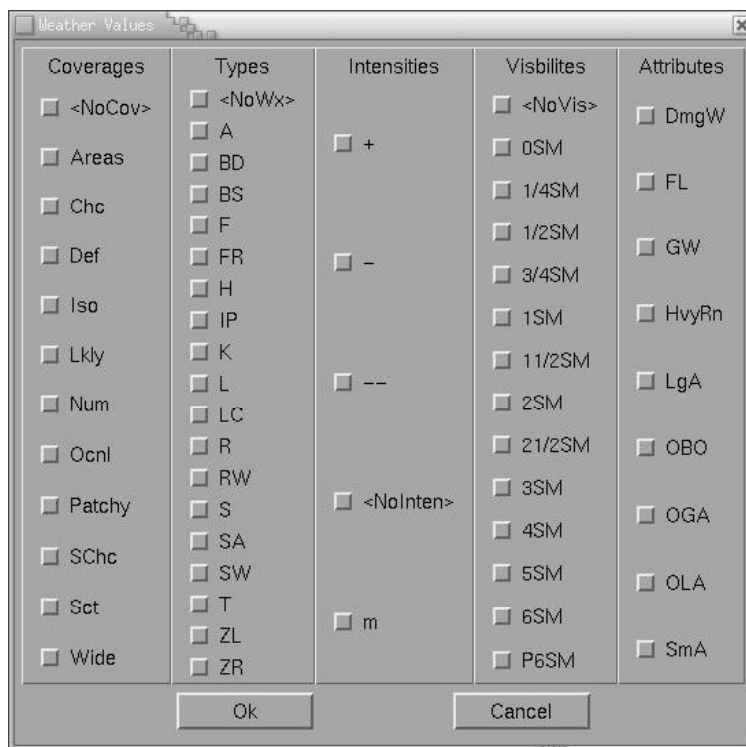
Procedure:

1. Make the Wx grid editable by selecting a time period where there is a variety of expected weather (such as Wide R-, Sct RW-, Sct TRW-, etc).
2. In the main icon bar select the  symbol. If you move your cursor over this symbol, a box will pop on your screen indicating this is the entry to the Edit Area and Query Dialog.



Note: The Edit Area and Query Dialog window has several parts. The part of interest to us is the **Weather Elements window**, the **Create Masks drop-down menu** and the **function buttons** on the right.

3. Select Create Mask and Wx (from the drop-down menu). This opens the Weather Values window.



4. Select the conditions (ex: Wide R-) you want to create an edit area. Select **OK** to close the window. The selected entries are put in the *Query* window according to the required format.

5. Select the **Submit** button. An edit area (s) is created in your displayed Wx grid in the Spatial Editor.

Note: A powerful feature of the Edit Area and Query Dialog is creating separate edit areas for all of the Wx grids, not just the single grid displayed in the Spatial Editor.

Method One

6. Select the desired replacement weather element from the ones shown in the color bar at the top of the Spatial Editor (ex: Ocni R-).
7. Place the cursor in the Spatial Editor and press MB3. Select Assign_Value from the drop down menu. The highlighted edit areas will change to the new values.

Method Two

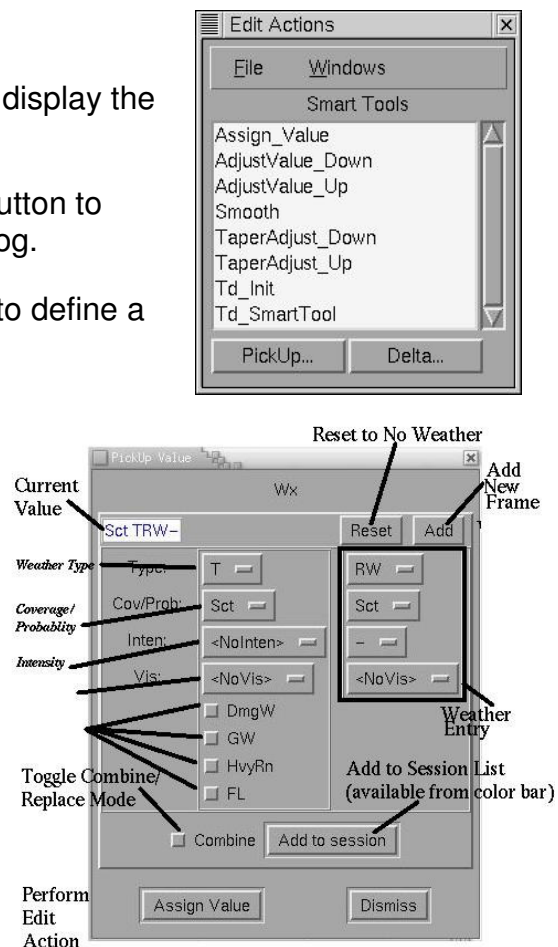
8. From the Button Bar, select the **E** to display the Edit Actions dialog.
9. From the dialog select the **PickUp...** button to display the Weather PickUp Value dialog.
10. Use the Weather PickUp Value dialog to define a new weather value.
11. Once the weather value is defined, select the **Assign Value** button to apply the value to the highlighted grid(s).

Note: You can highlight any range of grids in the Grid Manager and the assignment will apply to all grids selected.

REFERENCE

Additional information about the Edit Area and Query Dialog can be found here:

<http://www-md.fsl.noaa.gov/eft/AWIPS/16f/onlinehelp/ButtonBarDialogs.html#EditAreaQueryDialog>



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